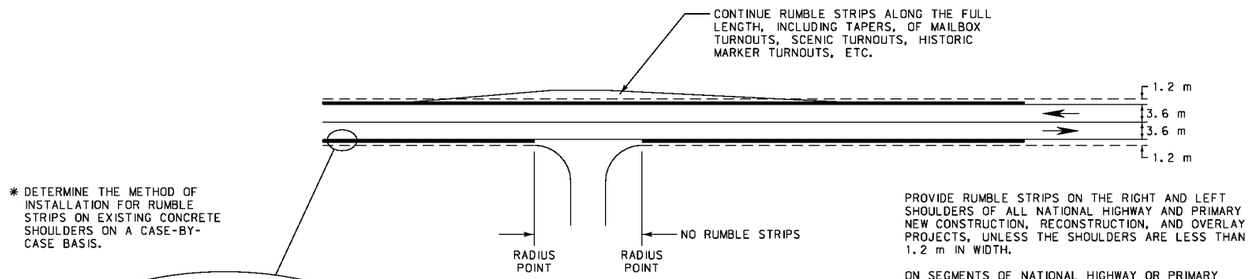
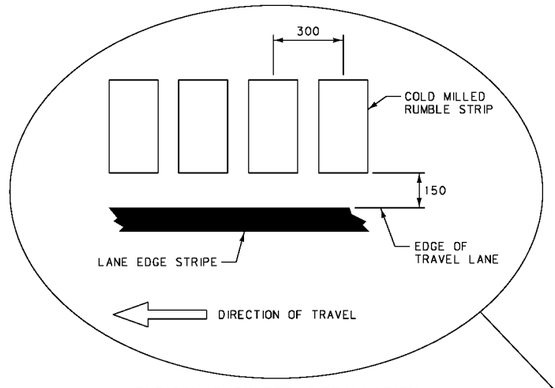



NATIONAL HIGHWAY ROUTE OR PRIMARY ROUTE APPLICATION

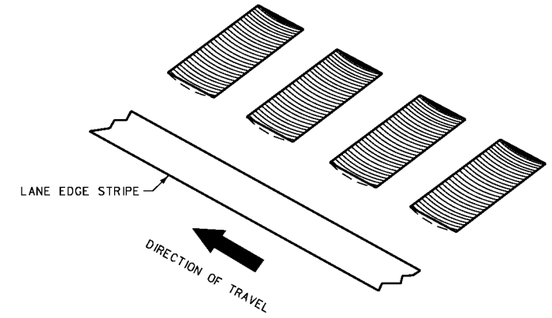
PROVIDE RUMBLE STRIPS ON THE RIGHT AND LEFT SHOULDERS OF ALL NATIONAL HIGHWAY AND PRIMARY NEW CONSTRUCTION, RECONSTRUCTION, AND OVERLAY PROJECTS, UNLESS THE SHOULDERS ARE LESS THAN 1.2 m IN WIDTH.

ON SEGMENTS OF NATIONAL HIGHWAY OR PRIMARY ROUTES WITHIN DESIGNATED CITY OR URBAN LIMITS, USE ENGINEERING JUDGEMENT ON A CASE-BY-CASE BASIS TO DETERMINE IF RUMBLE STRIP INSTALLATION IS APPROPRIATE.

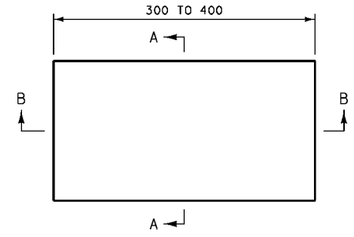
TYPICAL SHOULDER INSTALLATION (CONCRETE PAVEMENT)



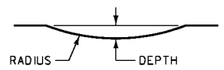

TYPICAL SHOULDER INSTALLATION (ASPHALT PAVEMENT)




ISOMETRIC VIEW

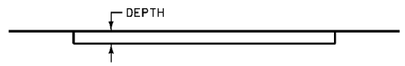



PLAN



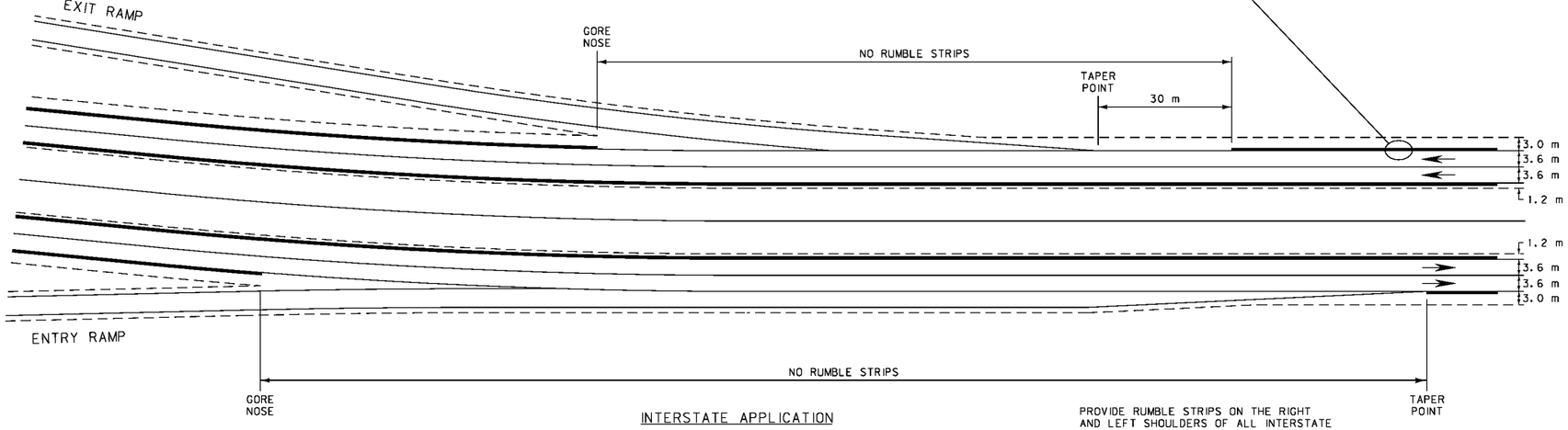

SECTION A-A

| | DEPTH | RADIUS |
|---|---|---|
| CONCRETE | 25 | 25 |
| ASPHALT | 13 TO 19 | 300 |




SECTION B-B

RUMBLE STRIP DETAIL




INTERSTATE APPLICATION

PROVIDE RUMBLE STRIPS ON THE RIGHT AND LEFT SHOULDERS OF ALL INTERSTATE NEW CONSTRUCTION, RECONSTRUCTION, AND OVERLAY PROJECTS.

NOTES:

CONSTRUCT RUMBLE STRIPS IN ACCORDANCE WITH THE SPECIAL PROVISIONS OF THE PROJECT.

DO NOT INSTALL RUMBLE STRIPS OVER CONCRETE BRIDGE DECKS OR WHERE OBSTACLES, SUCH AS CONCRETE BARRIER RAIL, PREVENT PROPER PLACEMENT.

***ALL DIMENSIONS ARE MILLIMETERS (mm) UNLESS OTHERWISE NOTED.***

DETAILED DRAWING

REFERENCE STANDARD SPEC. SECTION 411

DWG. NO. 411-02

# CONTINUOUS SHOULDER RUMBLE STRIPS

EFFECTIVE: AUGUST 1999

MONTANA DEPARTMENT OF TRANSPORTATION

MONTANA CADD